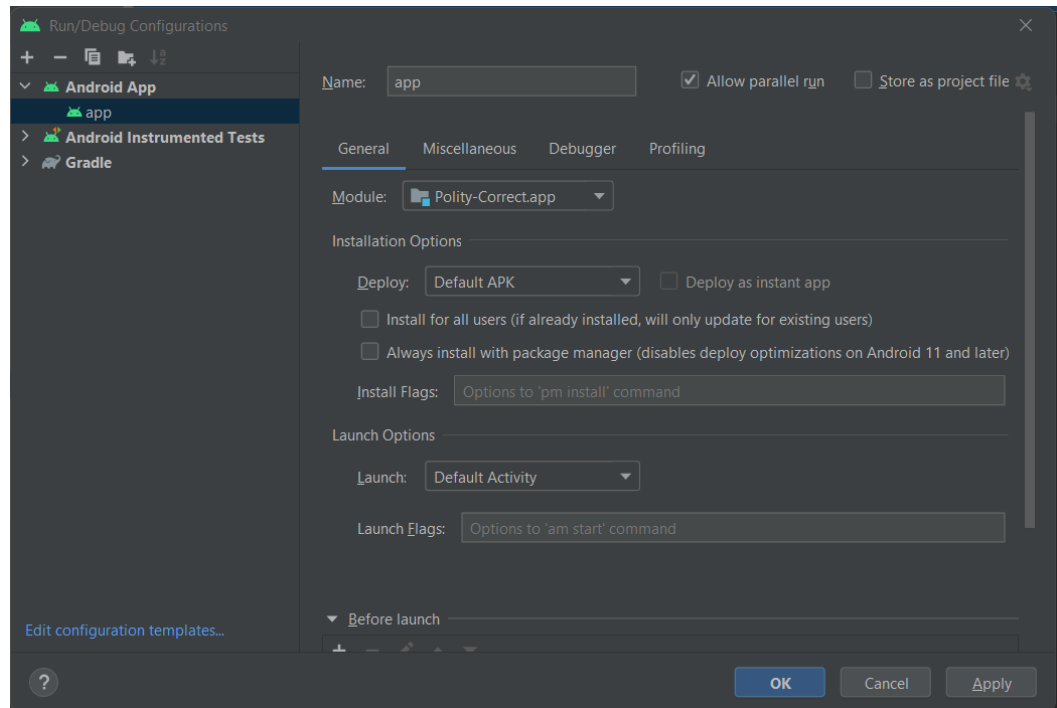


# Polity-Correct Setup

## Setting up a new Android Studio workspace

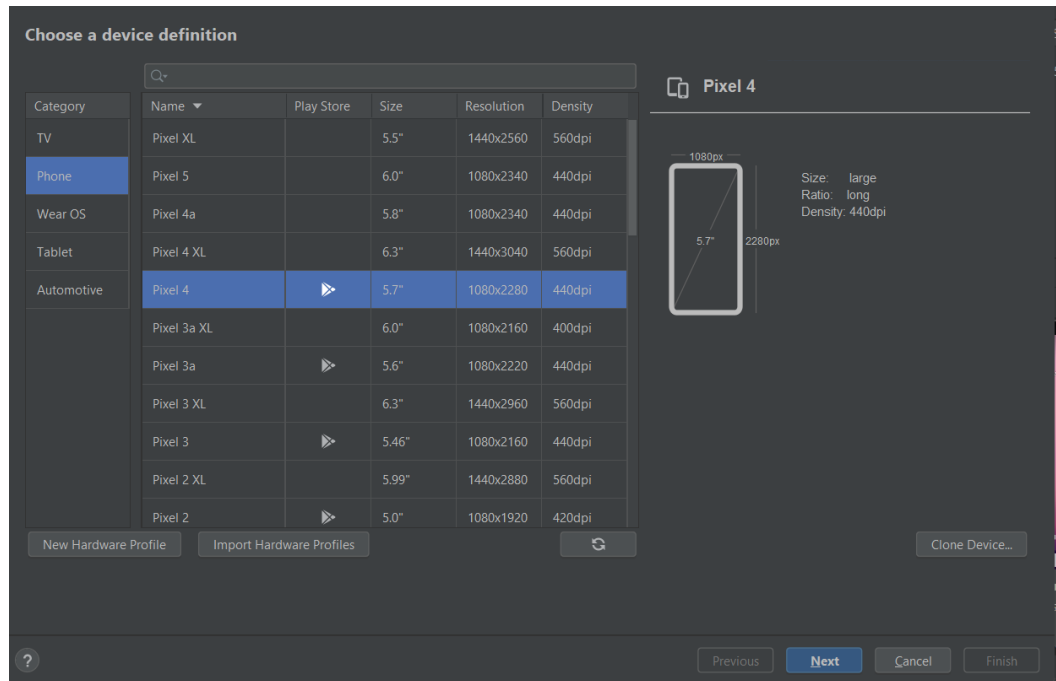
Instructions below for setting up project **c:\dev\Polity-Correct**. Change accordingly!

1. Download android studio [Here](#) (/or another way) and install.
2. Make sure you have java on your computer.
3. Open Polity-Correct with android Studio.
  - Wait until all Gradle files complete installation (It's can take some time, you can see it in the down-right corner).
4. Add configuration. (after all Gradle files are completely installed)
  - Run -> Edit configuration

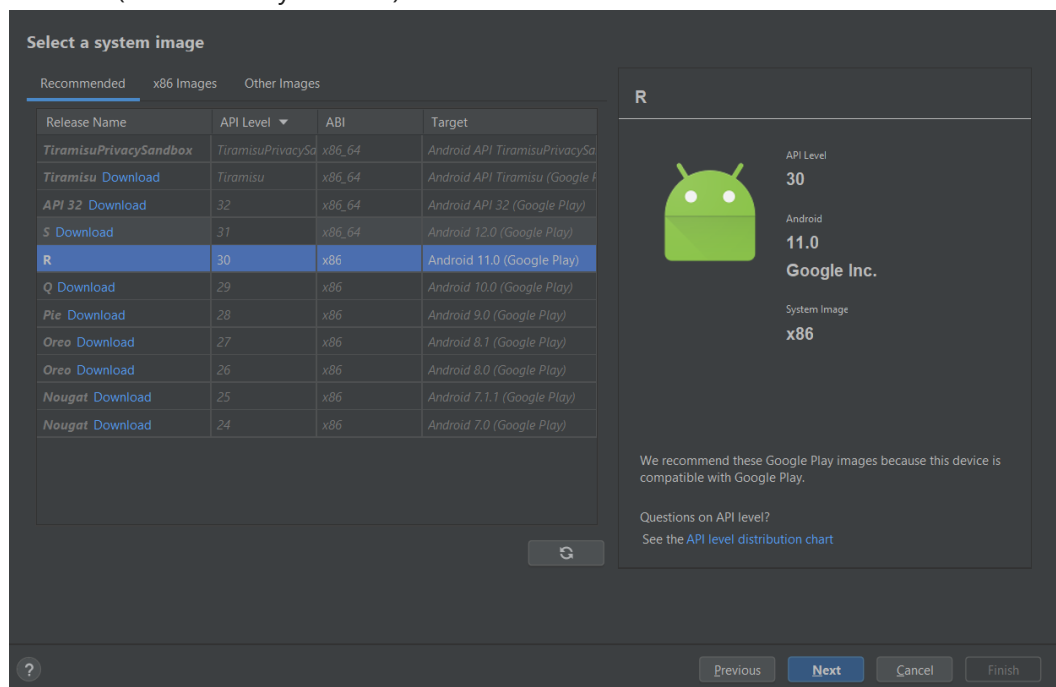


5. Add Device.
  - Run -> Select Device.. -> Device Manager -> Create device.

select Pixel 4



Select **R** (download if you need)

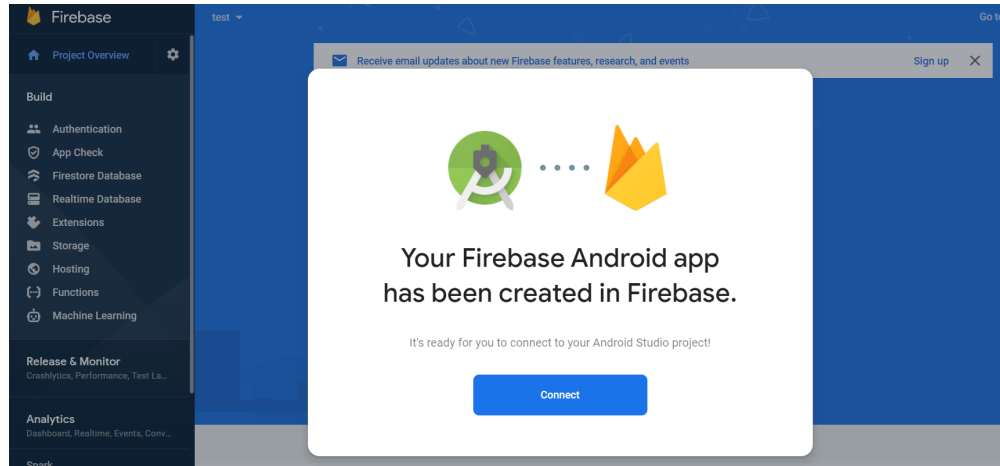


Next -> Finish.

6. Delete Polity-Correct -> app -> google-services.json file.

7. Connect android studio to Firebase.

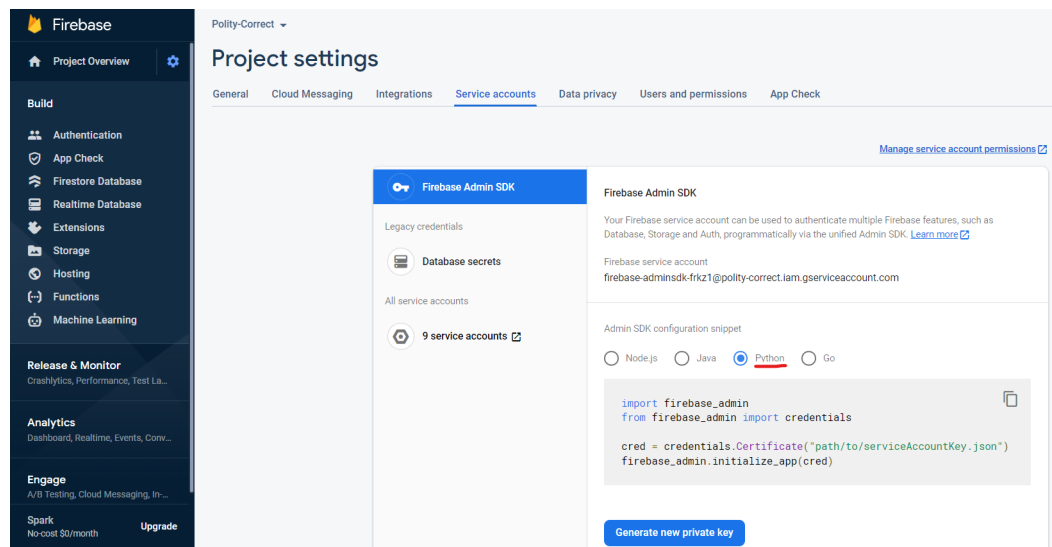
- Create a new project on your firebase account.
- Click Tools -> Firebase to open the Assistant window.
- Click to expand one of the listed features (for example, Analytics), then click connect to Firebase.
- Choose your project on firebase and connect.



8. Build and run. (Wait for the device to turn on)

## Setting Firebase

1. Create a new project on your firebase account.
2. Download your project's "Firebase Admin SDK" JSON (for python).



3. Open the JSON file with a notepad and copy all its contents.
4. Open the file Polity-Correct -> Setup -> FB2NewFB.py and copy the json contents into "client\_firebase\_json\_info" (line 8).

```

1 import json
2 from datetime import date
3
4 import firebase_admin
5 from firebase_admin import credentials
6 from firebase_admin import firestore

```

```

7
8 client_firebase_json_info = "Here"
9
10 client_json_dump = json.dumps(client_firebase_json_info)
11 client_json_object = json.loads(client_json_dump)
12
13 client_cred = credentials.Certificate(client_json_object)
14 firebase_admin.initialize_app(client_cred)
15 client_db = firestore.client()
16
17 polityCorrect_firebase_json_info = {
18     "type": "service_account",
19     "project_id": "polity-correct",
20     "private_key_id": "6c3c0fd85b452f925d13ccc7a69861d00f5ba501",
21     "private_key": "-----BEGIN PRIVATE KEY-----\nMIIIEugIBADANBgkqhkiG9w0BAQEFAASCBAQw
22     "client_email": "firebase-adminsdk-frkz1@polity-correct.iam.gserviceaccount.com",
23     "client_id": "114466068948976677401",
24     "auth_uri": "https://accounts.google.com/o/oauth2/auth",
25     "token_uri": "https://oauth2.googleapis.com/token",
26     "auth_provider_x509_cert_url": "https://www.googleapis.com/oauth2/v1/certs",

```

1. Run **FB2NewFB.py** in some python workspace.

## Scheduling Odata Updater

1. Open the JSON file your downloaded in the last step with a notepad and copy all its contents.
2. Open the file Polity-Correct -> Odata script -> OdataUpdateData.py and copy the json contents into "client\_firebase\_json\_info" (line 13).

```

1 import json
2 from datetime import date
3 import urllib
4
5 import firebase_admin
6 from firebase_admin import credentials
7 from firebase_admin import firestore
8
9 import traceback
10 import urllib3
11 import xmltodict
12
13 polityCorrect_firebase_json_info = "Here"
14
15 json_dump = json.dumps(polityCorrect_firebase_json_info)
16 json_object = json.loads(json_dump)
17
18 cred = credentials.Certificate(json_object)
19 firebase_admin.initialize_app(cred)
20 db = firestore.client()
21
22
23 def getxml(url_in, type=None):
24     url = url_in

```

3. Open **Task Scheduler** -> Action -> Create Task

- -> General, Choose action name.
- -> Triggers -> New. Choose your scheduling details.
- -> Actions -> New. Upload **OdataUpdateData.py** file in Program/script.
- OK